

user types a character

Interrupt is triggered

1 USART-read-buffer-job

Issue internal asynchronous read

1 USART-read-buffer

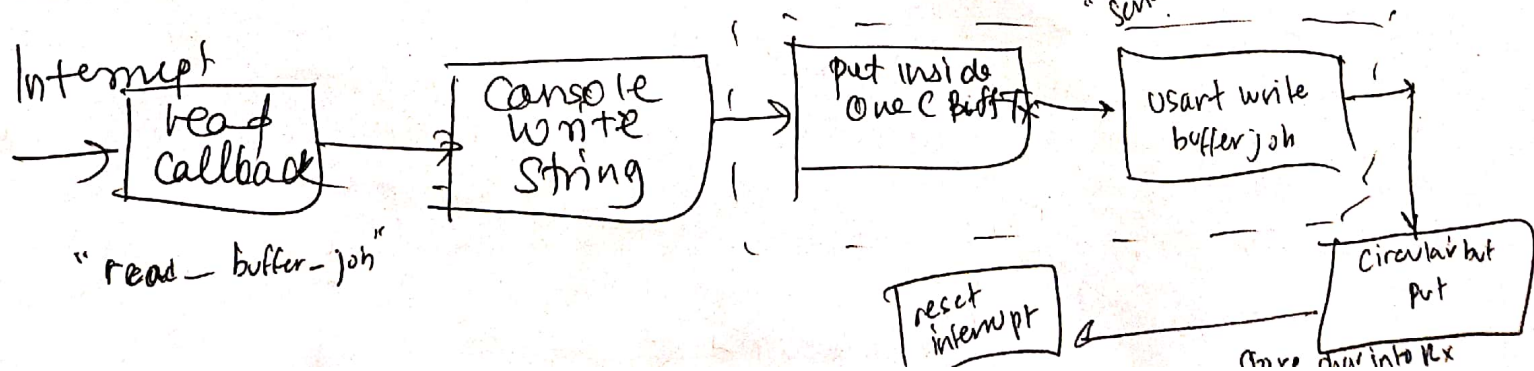
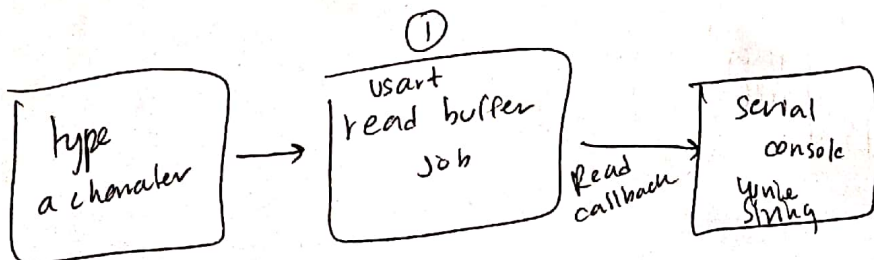
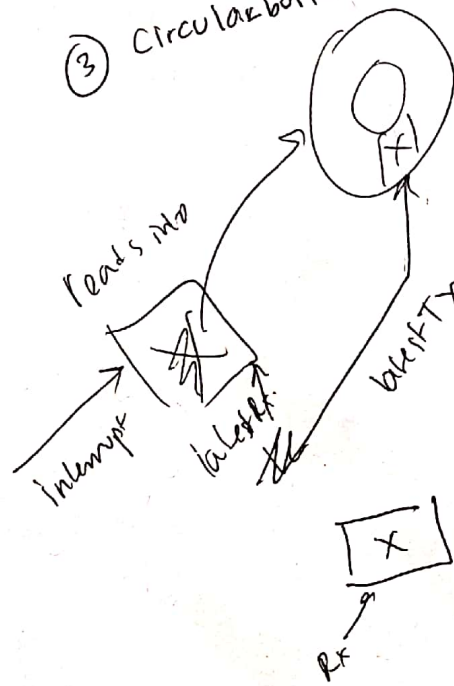
Called after interrupt

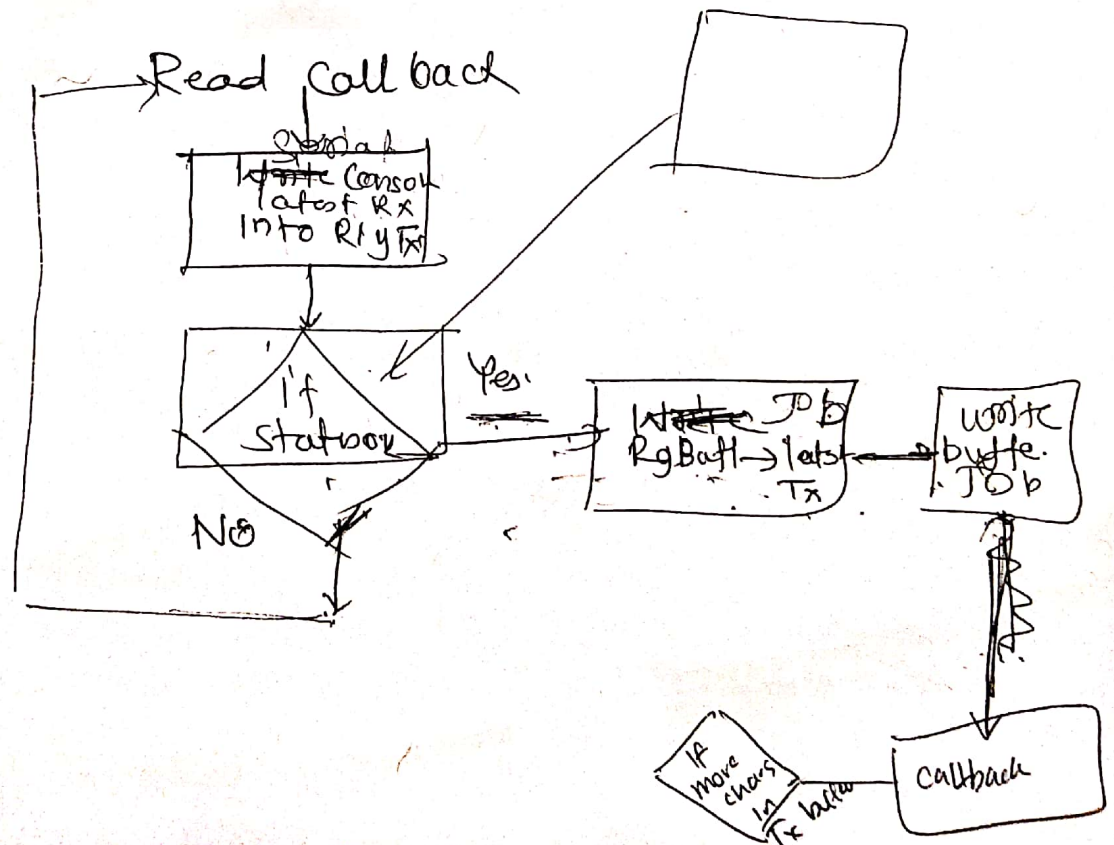
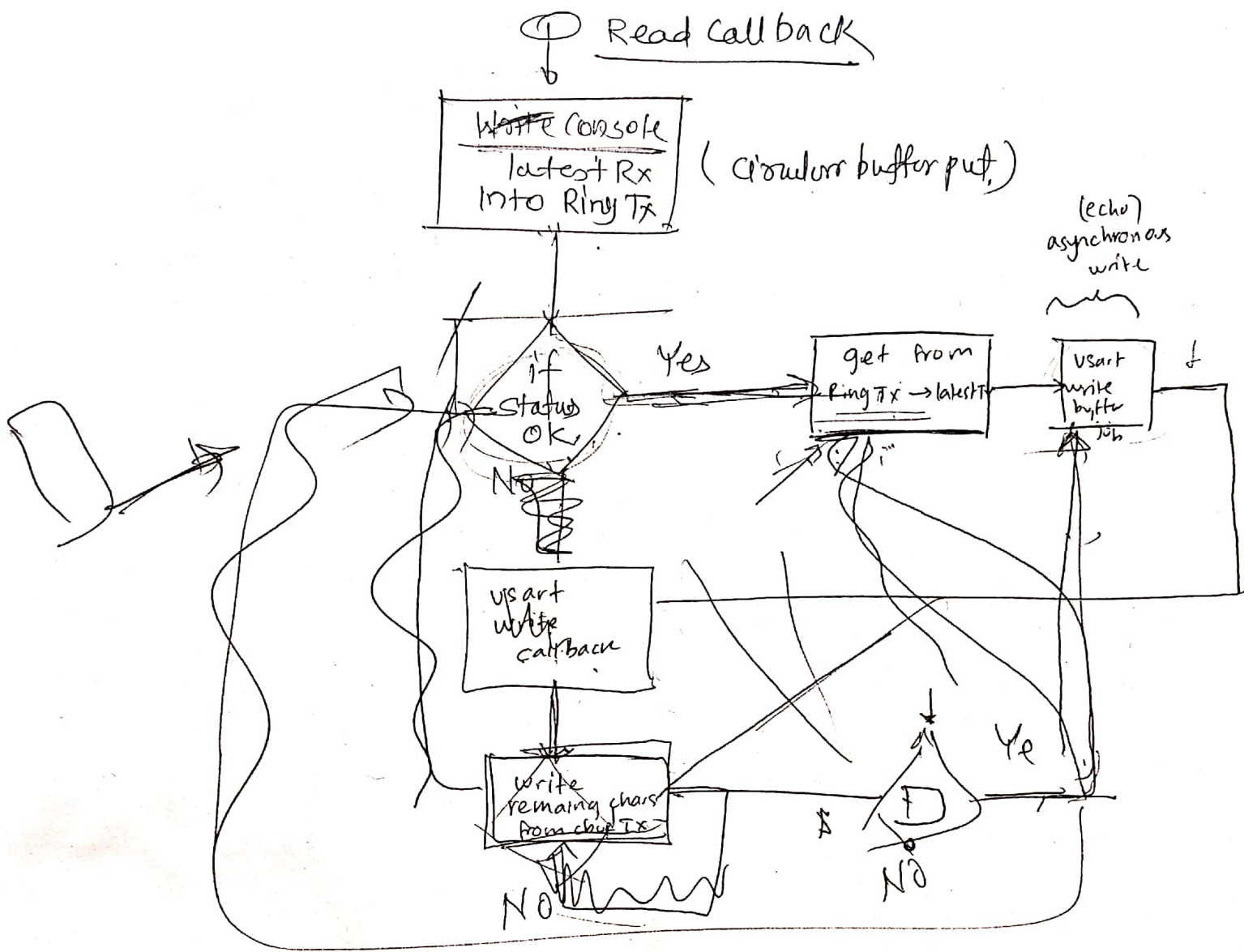
2 USART-read-callback

finishes receiving all bytes after UART read job

Serial console write string

- 1 USART-interrupt.c
- 2 SerialConsole.c
- 3 Circularbuffer.c







Interrupt

Serial console write

Circular Tx

latestTx

Circular Bufferput

Add Rx



waiting

User types Character

Global Interrupt USART

USART

Read buffer Job

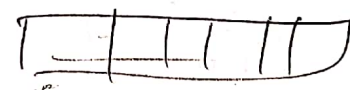
Call back Read

C

Serial console write

(Echo)

Rx Ring buffer Put



MCU

USART

Read Job

CALL

Int



